Mathieu Girard

Personal Information

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Education

Software Engineering | B.Eng
University of Western Ontario
2017 – 2022 • LONDON, ON, CANADA

Work Experience

Data Developer / Analyst
Rentsync | Rentals.ca | Rentfaster
2022 – 2023 • TORONTO, ON, CANADA

- Designed and implemented data pipelines to facilitate data extraction, transformation, and loading (ETL) processes using Apache Airflow
- Created internal tools that allowed non-technical team members to edit and enrich our data
- Managed and contributed to the team's API that serves data to our clients
- Created client reports that provide insights into the market, competition, and population demographics

Software Engineer (Intern)
Scotiabank - Global Wholesale Risk Technology
2021 • TORONTO, ON, CANADA

- Created a full-stack dashboard using the MERN stack that enabled those on the Capital Markets team to manage trades that needed additional regulatory approval
- Developed a React frontend for a full-stack application that replaced a legacy trading system

Software Engineer (Intern)
Scotiabank - Scotia Digital
2020 • TORONTO, ON, CANADA

- Created and deployed a content management system (Wagtail - built on Django) that enabled those on the team to post their business analysis in a blog-like fashion
- Built out a data process using python, pandas, SASS, and SQL that gives monetary credit to financial advisors that successfully referred customers to business banking specialists. If these specialists were able to sell additional financial products the advisor was compensated accordingly

Data Engineer (Intern)
Scotiabank - Executive Insights and Analytics
2020 • TORONTO, ON, CANADA

- Pulled, structured, and analyzed customer savings data to answer the following questions: Why were customers saving more during the pandemic? Is there a particular group that was saving more? How can Scotia keep customers' savings in their accounts?
- Implemented algorithms (Naive Bayes, Luhn's algorithm) to detect fraudulent and/or incorrect data in customer transaction data sets

Data Engineer
Scotiabank - Commercial Banking (Intern)
2019 • TORONTO, ON, CANADA

- Created a process using python, pandas, and SQL that would notify the risk management team when a customer's credit rating changed, or if they were scheduled for a credit review
- Provided business insights regarding the health of the company, competition growth, etc. to the senior management team

Awards

1st - Scotiabank Future Leaders Competition
1st - Scotiabank Hackathon
Scotiabank Top Student Award